

ABSTRACT OF THE DISCLOSURE

An optical unit includes a first unit formed by accommodating, in a first case, an optical member which receives a light beam from an object, a light amount  
5 adjustment mechanism to adjust the amount of the light beam, and a light amount adjustment actuator unit constituted by integrating first and second actuators that drive the light amount adjustment mechanism, and a second unit formed by accommodating, in a second  
10 case, a lens group which is movably arranged to obtain a predetermined object image from the light beam, and a lens driving actuator unit which is mainly constituted by a stepping motor having a stacked stator core to drive the lens group. The first and second units can  
15 detachably be coupled through a coupling unit provided between the first case and the second case.